

### **AMENDMENTS TO THE SPECIFICATION**

Amend the paragraph beginning on pages 10, lines 7, as follows:

Scaler calculator 305 then divides the normalized value of the total ISCP ( $x'$ ) by a previous normalized value of the prior observation period total ISCP ( $y'$ ), which has been stored in ISCP buffer 306, to calculate a scaler value ( $x''$ ). Scaler 307 then obtains previous searcher thresholds ( $y''$ ) for each of the uplink connections ( $u = 0$  to  $U-1$ ) from a searcher threshold database 308, scales each the previous searcher thresholds ( $y''$ ) for each of the uplink connections using scaler value  $x''$  by multiplying the scaler value  $x''$  by each of the previous searcher thresholds ( $y''$ ), and restores the scaled searcher thresholds T back in the searcher threshold database 308, thereby adjusting for the jitter in the AGC 101 (shown in Fig. 1).—These scaled searcher thresholds T are then used as the newly-adapted search thresholds T ~~used to be compared with detection values z~~ to detect propagation paths in a communications signal.